

ABSTRACT OF THE INVENTION

5 A unique clone of a *Polistinae* venom enzyme, recombinantly produced
 Polistinae venom enzymes, and methods of using the recombinant enzymes are provided.
 In a specific example, both phospholipase and hyaluronidase cDNA from *Polistes annularis*
 contain apparent "intronic" sequences. In still a further embodiment, genetic engineering
 permits the construction of the "intronic" sequences to yield a useful coding sequence for
 expression of mature *Polistinae* venom enzyme proteins.

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